

Tab 23

Gerald Desmond Bridge Replacement Project

A Candidate Project for the Design-Build Demonstration



Port of
LONG BEACH
The Green Port



Presented to:
California Transportation Commission
August 11, 2010

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Gerald Desmond Bridge



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- 42 years old
- Carries 15% of all U.S. waterborne container cargo
- Carries 75% non-port traffic
- Low Sufficiency Rating
 - Replacement warranted when a bridge's rating is less than 50
 - GDB 2007 rating was 43 (after bridge was seismically retrofitted)

Current Bridge



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www.polb.com

Project Objectives



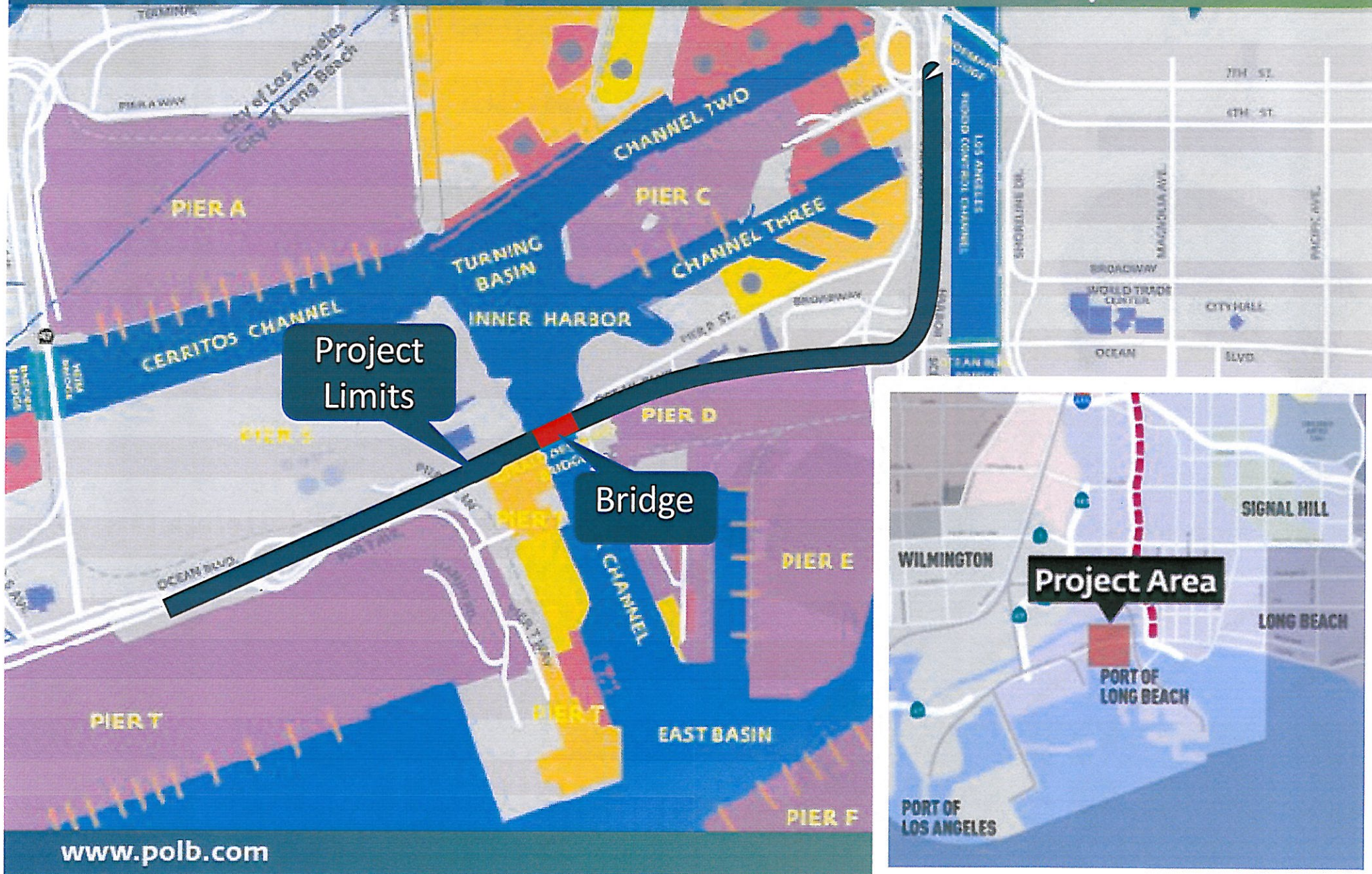
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- Meet Caltrans geometric and seismic standards
- 100-year life
- Signature span
- Improve safety
- Reduce traffic hazards
- Improve traffic volume
- Improve vessel passage and safety under the bridge

Project Location



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Status of Design Plan



- About 25% complete, including:
 - Cable stay main span
 - High and low level approaches
 - Right of way
 - Utility relocations
 - Roadways and site civil
 - Aesthetics

Proposed Structure



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- Preliminary bridge type selection
- Cable-stayed bridge (2,000 ft. long)
- Single-mast towers
- Shear links
- Composite deck
- Approach viaducts with 270 ft. max. spans
- Foundation types and locations

Financial & Project Delivery Options Examined



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- Financial Options:
 - Tolling (GDB-only or GDB/SHB/VT Bridges)
 - Port Funds, i.e. Infrastructure Cargo Fee
 - Design-Build-Finance
 - Availability Payment Concession
- Delivery Options
 - Design-Bid-Build
 - Design-Build

A Candidate Project for Design-Build Demonstration



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- Project of National Significance
- One of the most important goods movement infrastructure projects in California
- Reduced cost and faster delivery
- Certified EIR

Estimated Project Costs

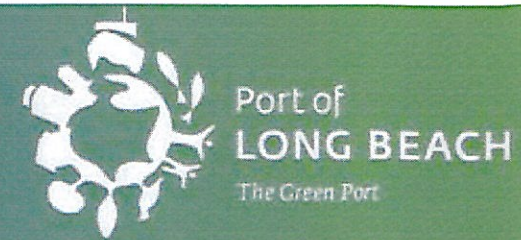


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Description	Amount (Millions)
Design-Build Contract	\$ 750
Program Management / Construction Management* by Port	\$ 95
Utilities and ROW by Port	\$ 90
Other	\$ 15
Total Project Costs	\$ 950

*deducted the design costs in D/B Contract

Estimated Design-Build Costs



Design-Build Costs	Amount (Millions)
Cable-Stayed Bridge	\$ 240
High-Level Approaches	\$ 215
Low-Level Approaches	\$ 210
Interchanges / Roadway	\$ 70
Utilities	\$ 10
Demolition (by contractor)	\$ 5
Total Design-Build Costs	\$ 750

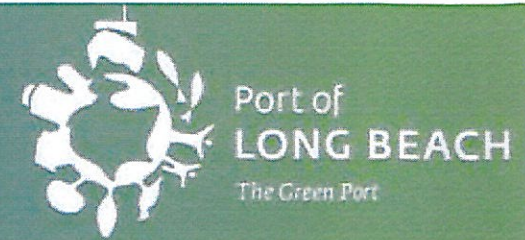
Proposed Funding Sources



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Description of Grants	Amount (Millions)
Federal Highway Bridge Program (prior to FY10) - <i>Committed</i>	\$ 10.0
Federal SAFETEA-LU - <i>Committed</i>	\$ 90.0
Federal Appropriation (prior to FY09) – <i>Committed</i>	\$ 6.1
Federal Highway Bridge Program – <i>Proposed/Advance Construction</i>	\$ 201.9
State Prop. 1B Trade Corridor Improvement Funds (TCIF) /SHOPP - <i>Programmed</i>	\$ 250.0
State SHOPP (Programmed in 4/2010) – <i>Programmed</i>	\$ 49.8
Los Angeles County Call for Projects (2007 and 2009) - <i>Programmed</i>	\$ 28.6
Total Committed Grants	\$ 636.4

Funding Plan Under Development



Summary of Current Funding Plan

Amount
(Millions)

Total Committed/Programmed Funds	\$ 636.4
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Local Match and Estimated Gap Covered by Port Funds	\$ 113.6
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Other Public Funding Sources Being Pursued	\$ 200.0
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Total Costs	\$ 950.0
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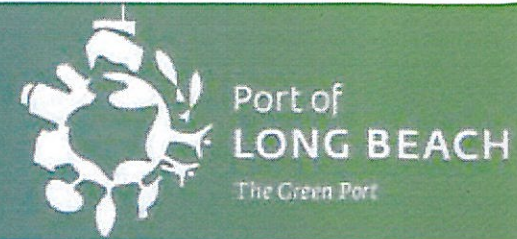
Schedule – Assuming the D/B Delivery



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- **Aug. 9, 2010** EIR certified
- **Sept. 2010** RFQ Release
- **Nov. 2010** Receipt of SOQs
- **Nov. 2010** Anticipated CTC Approval of D/B authority under Design-Build Demonstration Program
- **Dec. 2010** Anticipated NEPA approval; prequalification of proposers based on SOQs
- **Dec. 2010 – April 2011** Draft RFP

Schedule – Assuming the D/B Delivery (Cont.)



- **April 2011** Caltrans/FHWA review and approval of final RFP
- **June 2011** Release final RFP to prequalified proposers
- **Fall 2011** Proposals due
- **Late 2011** Selection of best value proposal

Proposed Procurement



- Jointly procured with Caltrans
- Two-step process (dates in “schedule” slides)
- Step 1 - Request for Qualifications
 - RFQ released
 - Receipt of Statements of Qualification
 - Prequalify teams based on technical design, construction experience, labor force availability, other non-price factors

Proposed Procurement (cont.)



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- Step 2 – Request for Proposals
 - Release draft RFP to prequalified proposers
 - Industry review
 - Review draft procurement/contract documents
 - Meetings with proposers
 - Release final RFP
 - Submission of Proposals
 - Selection of best value proposal
 - Port considering payments to unsuccessful proposers for work product (proposals and ATCs)

Questions and Answers



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